

FIGURE 1

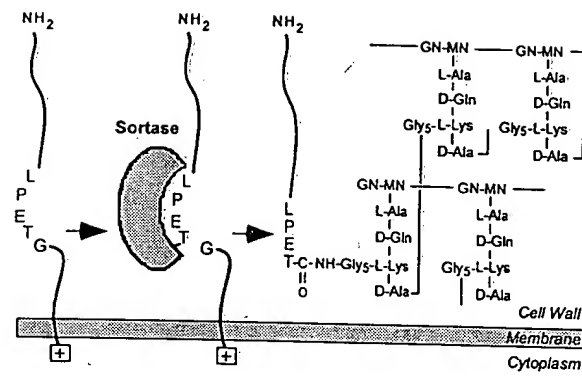


FIGURE 2

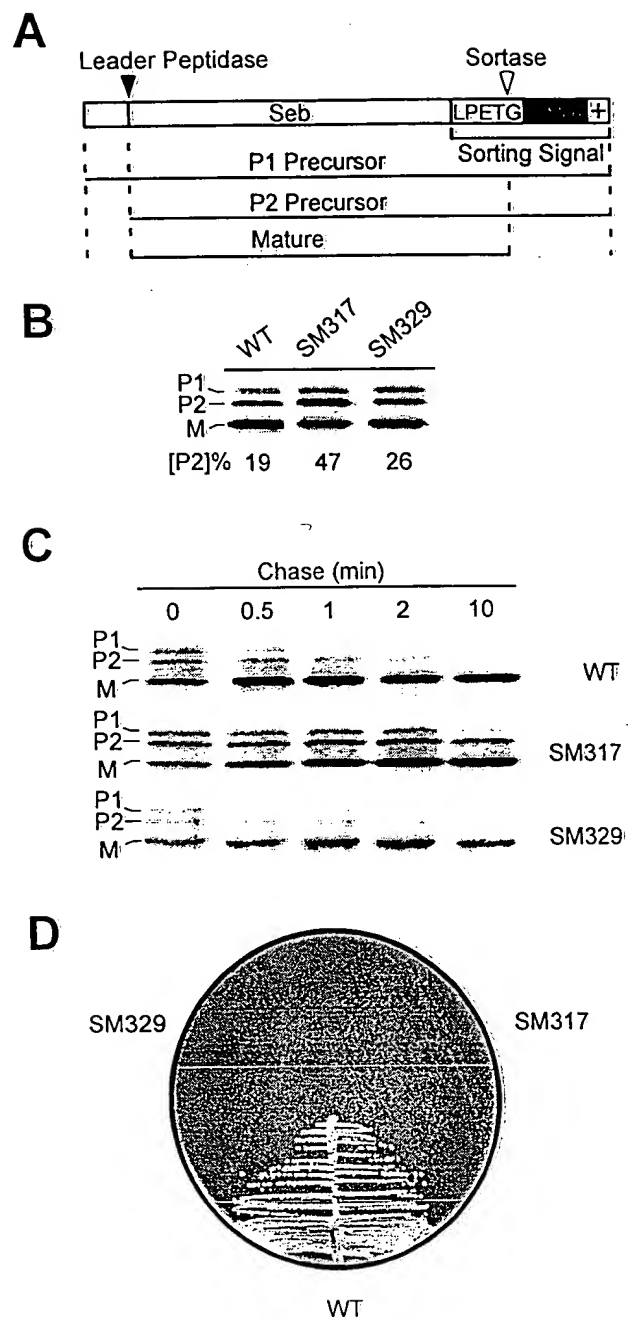


FIGURE 3

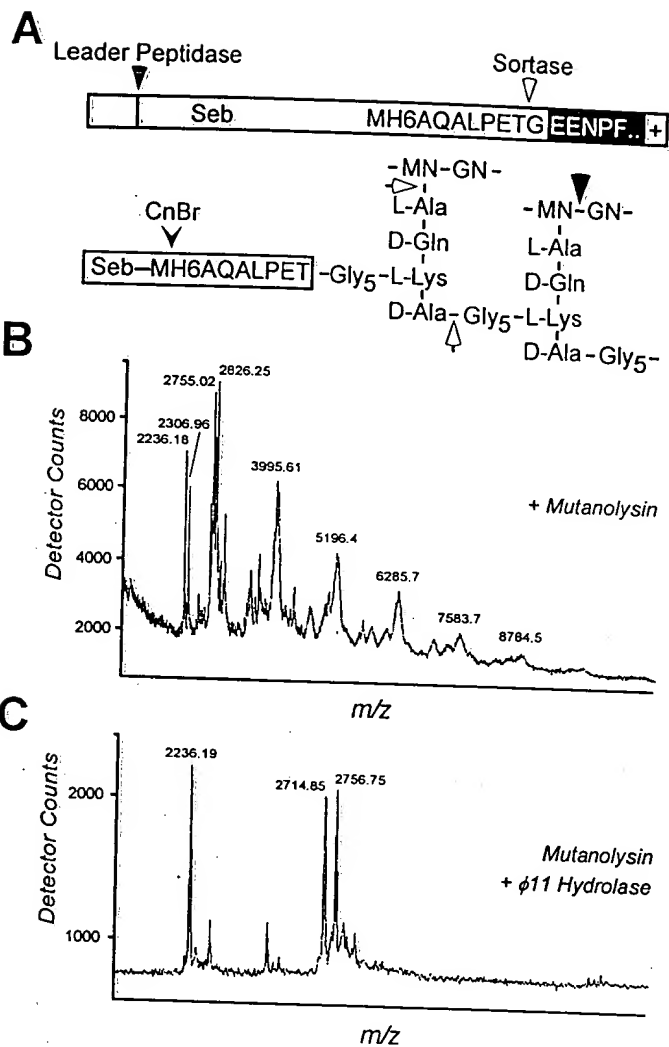
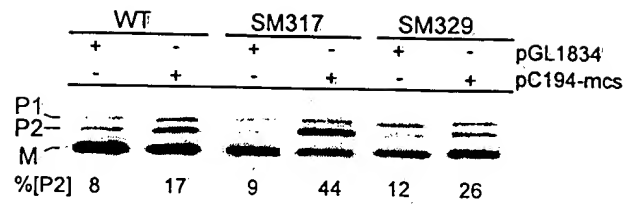
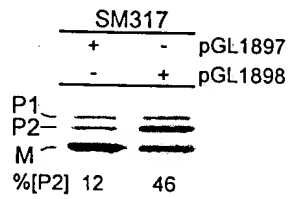


FIGURE 4

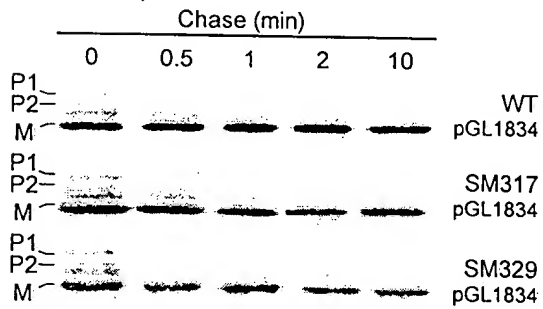
A



B



C



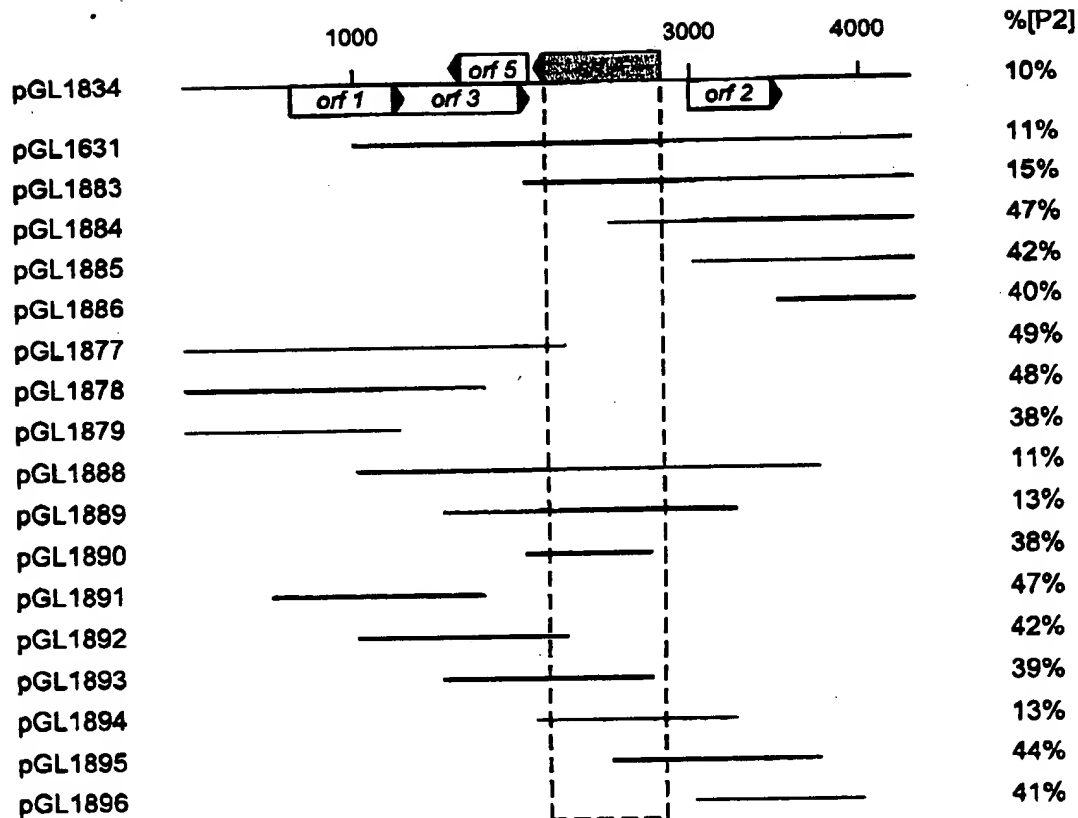


FIG. 5

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FIGURE 6

		9			18			27			36			45			54		
ATG	AAA	AAA	TGG	ACA	AAT	CGA	TTA	ATG	ACA	ATC	GCT	GGT	GTG	GTA	CTT	ATC	CTA		
M	K	K	W	T	N	R	L	M	T	I	A	G	V	V	L	I	L		18
GTG	GCA	GCA	TAT	TTG	TTT	GCT	AAA	CCA	CAT	ATC	GAT	AAT	TAT	CTT	CAC	GAT	AAA		
V	A	A	Y	L	F	A	K	P	H	I	D	N	Y	L	H	D	K		36
GAT	AAA	GAT	GAA	AAG	ATT	GAA	CAA	TAT	GAT	AAA	AAT	GTA	AAA	GAA	CAG	GCG	AGT		
D	K	D	E	K	I	E	Q	Y	D	K	N	V	K	E	Q	A	S		54
AAA	GAT	AAA	AAG	CAG	CAA	GCT	AAA	CCT	CAA	ATT	CCG	AAA	GAT	AAA	TCG	AAA	GTG		
K	D	K	K	Q	Q	A	K	P	Q	I	P	K	D	K	S	K	V		72
GCA	GGC	TAT	ATT	GAA	ATT	CCA	GAT	GCT	GAT	ATT	AAA	GAA	CCA	GTA	TAT	CCA	GGA		
A	G	Y	I	E	I	P	D	A	D	I	K	E	P	V	Y	P	G		90
CCA	GCA	ACA	CCT	GAA	CAA	TTA	AAT	AGA	GGT	GTA	AGC	TTT	GCA	GAA	GAA	AAT	GAA		
P	A	T	P	E	Q	L	N	R	G	V	S	F	A	E	E	N	E		108
TCA	CTA	GAT	GAT	CAA	AAT	ATT	TCA	ATT	GCA	GGA	CAC	ACT	TTC	ATT	GAC	CGT	CCG		
S	L	D	D	Q	N	I	S	I	A	G	H	T	F	I	D	R	P		126
AAC	TAT	CAA	TTT	ACA	AAT	CTT	AAA	GCA	GCC	AAA	AAA	GGT	AGT	ATG	GTG	TAC	TTT		
N	Y	Q	F	T	N	L	K	A	A	K	K	G	S	M	V	Y	F		144
AAA	GTT	GGT	AAT	GAA	ACA	CGT	AAG	TAT	AAA	ATG	ACA	AGT	ATA	AGA	GAT	GTT	AAG		
K	V	G	N	E	T	R	K	Y	K	M	T	S	I	R	D	V	K		162
CCT	ACA	GAT	GTA	GGA	GTT	CTA	GAT	GAA	CAA	AAA	GGT	AAA	GAT	AAA	CAA	TTA	ACA		
P	T	D	V	G	V	L	D	E	Q	K	G	K	D	K	Q	L	T		180
TTA	ATT	ACT	TGT	GAT	GAT	TAC	AAT	GAA	AAG	ACA	GGC	GTT	TGG	GAA	AAA	CGT	AAA		
L	I	T	C	D	D	Y	N	E	K	T	G	V	W	E	K	R	K		198
ATC	TTT	GTA	GCT	ACA	GAA	GTC	AAA	TAA	(SEQ.	ID NO.	2)								
I	F	V	A	T	E	V	K	*	(SEQ.	ID NO.	3)								206

FIGURE 7

		1	15	30	45	60	75	90	
1	Anei	-----	-----	MGLLTYPTAASWVSQYNQSKVTADYSAQVDG	----	ARPDAKTQVEQAHAYND	-----	ALSAGAVLEANNHYPTG	65
2	Spyo	-----	-----	-----	-----	MEEVWQAKAYNA	-----	RLGIQVPVDAFS	29
3	Efea	MKSKKKRRIIDGFMILLIIGIGAFAYPFVSDALNNYLDQIIAHYQAKASQE	-----	NTKEMAELQEKMEKKNQ	-----	ELAKKGSNPGLDPESET	-----	-----	87
4	Bsub	-----	-----	MKKVIFLPIIAAGLVIAGYG	-----	GFKLIDTNTKTEOTLKE	-----	AKLAAKKPQEAAGTKNS	54
5	Smut	-----	-----	-----	-----	-----	-----	-----	70
6	Saur	-----	-----	MKKERQSRKKRSFLRTFLPILLLVIGLALIFNTPIRNALIAWNTNRYQVSNVSKKIDIEHNKAHSSDFK	-----	-----	-----	-----	52
				MKKWTNRLMTIAGVVLLV	----	AAYLFAKPHIDNYLHD	-----	KDKDEKIEQYDKNVKEQ	
1	Anei	AGSSKDSLOYANILKANNEGEMARLKI	-----	TSISLDPVYHG	-----	TADDTL	-----	LGHLLEGTSLEVGEGRSNTGFRGAE	151
2	Spyo	IHD-KN	-----	YESLLOIENNNDINGYVEV	-----	STKVLP	-----	YHY	110
3	Efea	OKTTKKP	-----	DKSYESHT	-----	IGVLT	-----	PKINVLPL	167
4	Bsub	TDQARN	-----	KASFPETG	-----	OASGILE	-----	PKINAEPL	129
5	Smut	KVESTSTQSVLAAQMAAQKLPVIGGTIA	-----	DKRI	-----	NLP	-----	TFKG	157
6	Saur	ASKDKKQQ	-----	AKPQIPKDKSKVAGY	-----	ELDDADIK	-----	EVYGPATPEQ	135
				ELDDADIK	-----	EVYGPATPEQ	-----	NREVSFRENEELD	
								DQNIETAGHTFIDRP	
								NYQSTNLKA	
1	Anei	VKTEDSLIVEVFGVLT	-----	RVTS	-----	TKV	-----	EBEETE	237
2	Spyo	VKKEDTEYFRVLNKVLA	-----	AKVDQILT	-----	VEEDQVTS	-----	LSGVMGRDY	196
3	Efea	LKKEDFEYIEVNGKTHA	-----	QVDOIKT	-----	VEHTDTKDLHIESGDL	-----	VL	253
4	Bsub	LEKEDQRLRLLSYGEP	-----	TEIVKTKI	-----	DKDDTST	-----	ITLOHEKEE	198
5	Smut	AKESMEIYLTDKNKV	-----	TVISEVKT	-----	TREHVE	-----	IDNRPQNE	242
6	Saur	AKKESMYEKKVGNETREK	-----	KMTSIED	-----	KETDVGV	-----	LDEQKGRKQ	206
								LE	
1	Anei	WWAVGLAAGLIVVGLYLWRS	-----	GYAAARAKERALARARA	-----	AQEEPPQ	-----	PQTWAEQMRIWDDDDAGVEPQRWFTDL	327
2	Spyo	MWAEVCAAFGVVIAIILVFMYSRVS	-----	AKKSK	-----	-----	-----	-----	227
3	Efea	LWTLILLIACALIISGFI	-----	IWKRRKKTTTRKPK	-----	-----	-----	-----	284
4	Bsub	-----	-----	-----	-----	-----	-----	-----	198
5	Smut	QISF	-----	-----	-----	-----	-----	-----	246
6	Saur	-----	-----	-----	-----	-----	-----	-----	206
1	Anei	LSAPSGRWDDQELIDTAEIPVL	-----	DATRPSAGTSGRTHRL	-----	365	(SEQ. ID NO. 5)		
2	Spyo	-----	-----	-----	-----	227	(SEQ. ID NO. 4)		
3	Efea	-----	-----	-----	-----	284	(SEQ. ID NO. 6)		
4	Bsub	-----	-----	-----	-----	198	(SEQ. ID NO. 8)		
5	Smut	-----	-----	-----	-----	246	(SEQ. ID NO. 7)		
6	Saur	-----	-----	-----	-----	206	(SEQ. ID NO. 3)		

FIGURE 8

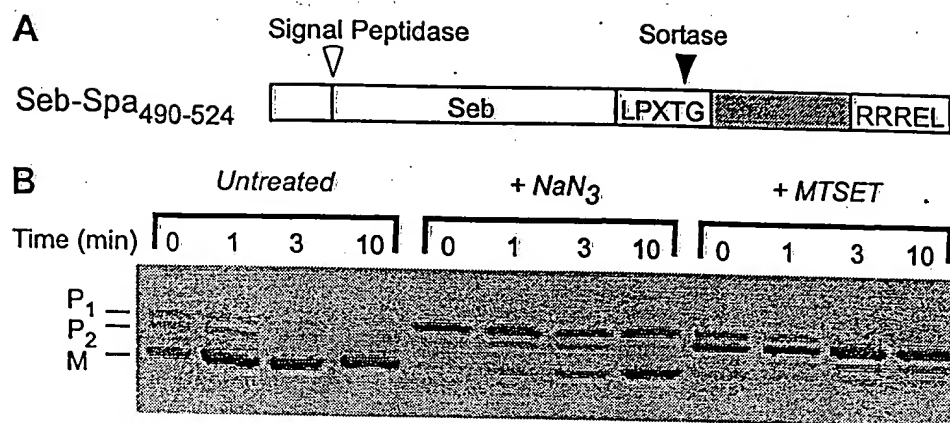
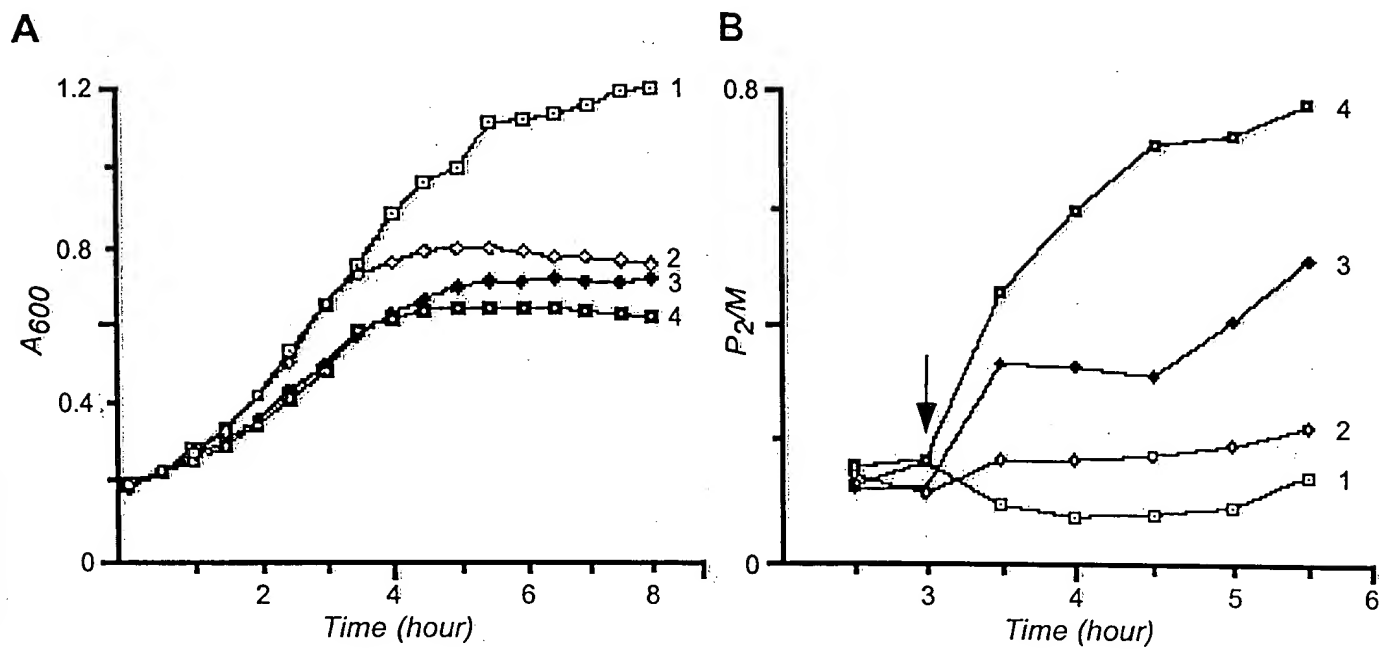


FIGURE 9






B



	Whole Cells		Protoplasts				
	0	20	0	20	S	P	
Pre -							-69
Seb-Cws-BlaZ							-46
BlaZ- Seb -							-30
Pre -							-69
Seb-Cws _{ΔLPXTG} -BlaZ							-46
							-30

FIGURE 11

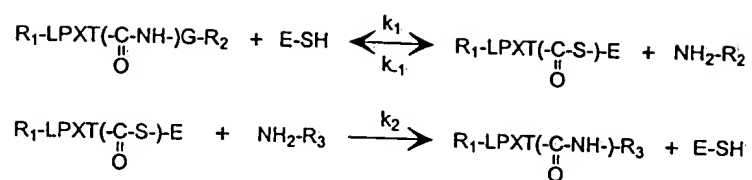


FIGURE 12

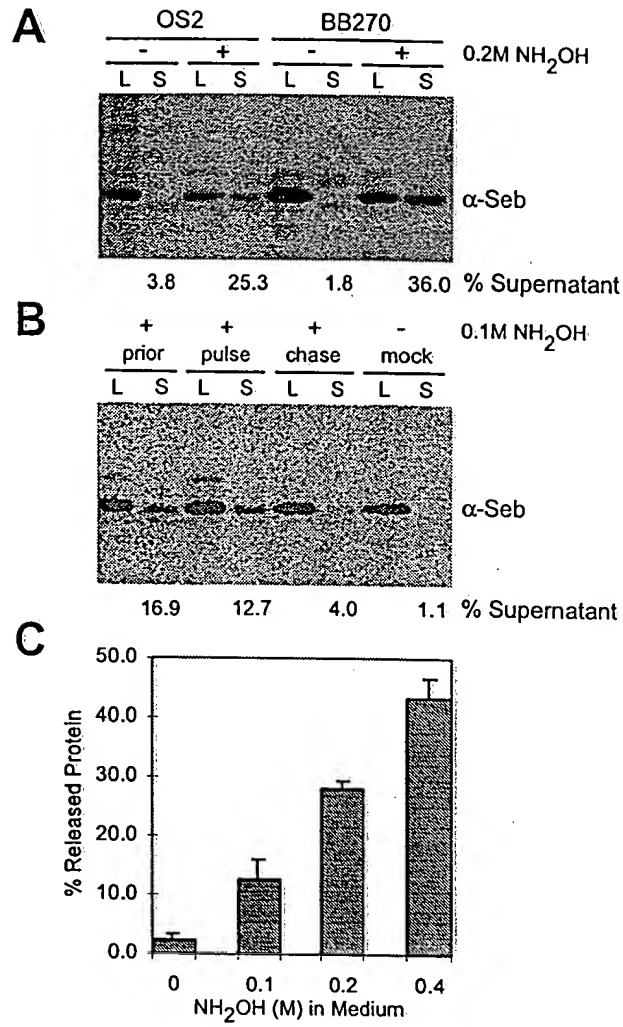


FIGURE 13

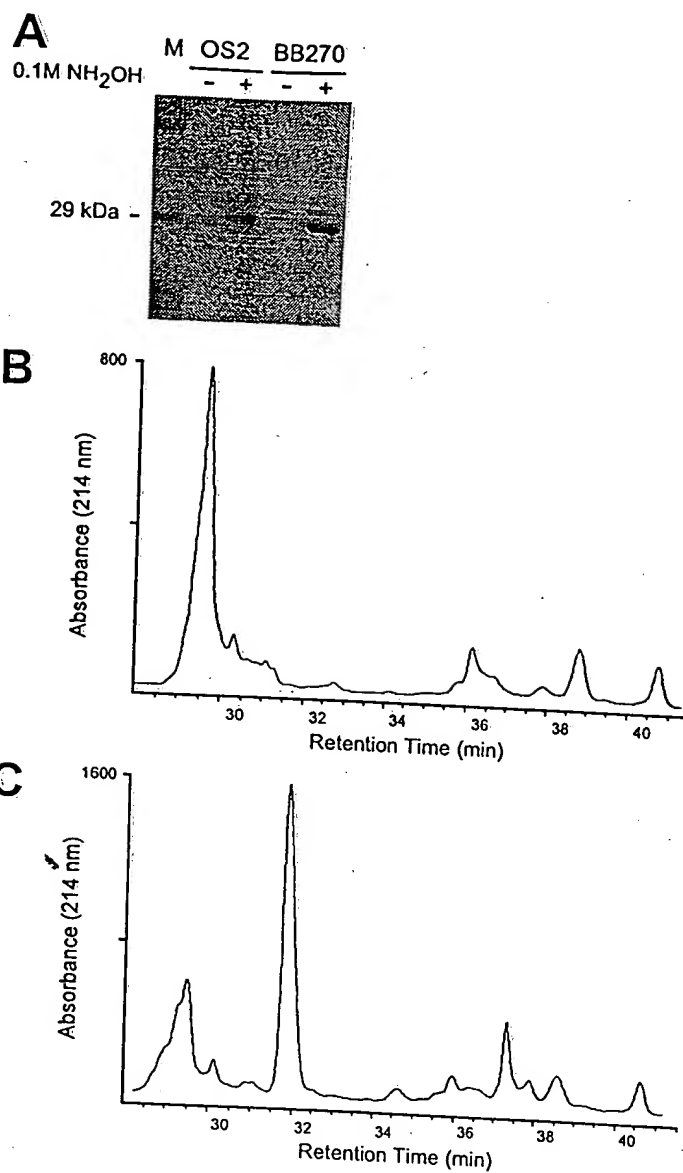


FIGURE 14

